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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Bernd EHRENBURG and Matthias WERNICKE

Conf. No.: 6701

Application No.: 09/624,731

Group Art Unit: 2128

Filed: July 25, 2000

Examiner: FREJD, RUSSELL W.

Patent No.: 6,879,941

Issue Date: April 12, 2005

For: PROCESS FOR PRODUCING A CONDUCTOR COMPRISING AT
LEAST ONE CABLE BUNDLE

Attorney Docket No.: 3926.009

Customer Number: 000041288

Certificate
AUG 15 2005
of Correction

REQUEST TO CORRECT THE ASSIGNEE UNDER 37 CFR 3.81(b) AND
REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
PURSUANT TO 37 CFR 1.323

Mail Stop PETITIONS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

1. Attached in duplicate is Form PTO/SB/44 with at least one copy being suitable for printing.
2. A copy of the Notice of Recordation of Assignment Document, REEL/FAME: 013594/0984.
3. The exact page and line number where the error occurs in the application is:

U.S. Patent Application No. 09/624,731
Patent No.: 6,879,941 B1
REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
PURSUANT TO 37 CFR 1.323

ATTORNEY DOCKET NO.: 3926.009

4. (73) Assignee:

DaimlerChrysler, AG (DE)

should read as:

(73) Assignee:

Avanion GMBH, (DE)

Attached herewith is a copy of the first page of the Patent No. 6,879,941. Applicant states that the failure to include the correct Assignee name on the PTOL-85B was **INADVERTENT**.

Applicants respectfully request forwarding the file to Certificates of Correction Branch, for issuance of a Certificate of Correction.

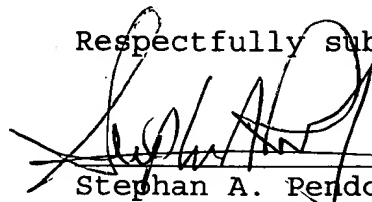
Should there still be the fee of \$30.00 (fee of \$100.00 was previously submitted on May 9, 2005), please charge to Deposit Account No. 16-0877.

5. Please send the Certificate to:

Stephan A. Pendorf
PENDORF & CUTLIFF
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Tampa, FL 33634-7356

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(813) 886-6085

Respectfully submitted,


Stephan A. Pendorf
Registration No. 32,665

Date: **August 9, 2005**

U.S. Patent Application No. 09/624,731

Patent No.: 6,879,941 B1

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT

PURSUANT TO 37 CFR 1.323

ATTORNEY DOCKET NO.: 3926.009



CERTIFICATE OF MAILING AND AUTHORIZATION TO CHARGE

I hereby certify that the foregoing REQUEST TO CORRECT THE ASSIGNEE UNDER 37 CFR 3.81(b) AND REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT PURSUANT TO 37 CFR 1.323 for U.S. Application No. 09/624,731, filed July 25, 2000, was deposited in first class U.S. Mail, postage prepaid, Mail Stop PETITIONS, P.O. Box 1450, Alexandria, VA 22313-1450 on **August 9, 2005**.

The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization or credit any overpayment, to Deposit Account No. 16-0877.


Stephan A. Pendorf

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6879941

DATED : April 12, 2005

INVENTOR(S) : Bernd EHRENBURG and Matthias WERNICKE

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(73) Assignee:
Avanion GMBH, (DE)

MAILING ADDRESS OF SENDER:

PATENT NO. 6,879,941

STEPHAN A. PENDORF
5111 MEMORIAL HIGHWAY
TAMPA, FL 33634-7356

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6879941

DATED : April 12, 2005

INVENTOR(S) : Bernd EHRENBERG and Matthias WERNICKE

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(73) Assignee:
Avanion GMBH, (DE)

MAILING ADDRESS OF SENDER:

PATENT NO. 6,879,941

STEPHAN A. PENDORF
5111 MEMORIAL HIGHWAY
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US006879941B1

(12) **United States Patent**
Ehrenberg et al.

(10) **Patent No.: US 6,879,941 B1**(45) **Date of Patent: Apr. 12, 2005**

(54) **PROCESS FOR PRODUCING A
CONDUCTOR COMPRISING AT LEAST ONE
CABLE BUNDLE**

(75) **Inventors: Bernd Ehrenberg, Ulm (DE);
Matthias Wernicke, Heidelberg (DE)**

(73) **Assignee: DaimlerChrysler, AG (DE)**

(*) **Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 816 days.

(21) **Appl. No.: 09/624,731**

(22) **Filed: Jul. 25, 2000**

(30) **Foreign Application Priority Data**

Jul. 28, 1999 (DE) 199 35 422

(51) **Int. Cl.⁷ G06F 17/50**

(52) **U.S. Cl. 703/1; 52/741.1; 123/195 A;
174/68.1; 361/826**

(58) **Field of Search 703/1; 52/741.1;
174/86; 123/41.01, 195 A; 361/826**

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,463,838 A * 11/1995 Collier 52/741.1
5,755,189 A * 5/1998 Godeau et al. 123/41.01
5,817,980 A * 10/1998 Kirma 174/86
5,836,281 A * 11/1998 Godeau et al. 123/195 A
6,407,933 B1 * 6/2002 Bologna et al. 361/826

FOREIGN PATENT DOCUMENTS

DE 41 04 332 A1 8/1991 G06F/15/60
DE 42 40 890 C2 8/1993 G05B/19/4097
DE 37 89 838 T2 9/1994 H01L/21/00
DE 43 35 121 A1 5/1995 G06F/17/50
DE 44 38 525 A1 5/1996 H02B/3/00

DE 692 26 099 T2 2/1999 G06F/17/50
DE 197 35 957 A1 3/1999 E04C/2/16
EP 0 787 330 B1 10/1995 G06F/17/50
EP 0 845 746 A2 6/1998 G06F/17/50

OTHER PUBLICATIONS

Smith et al., W.T. Crosstalk Modeling for Automotive Har-
nesses, IEEE International Symposium on Electromagnetic
Compatibility, Compatibility in the Loop, Aug. 1994, pp.
447-452.*

Cardwell et al., R.H. Computer-Aided Design Procedures
for Survivable Fiber Optic Networks, IEEE Journal on
Selected Areas in Communications, vol. 7, No. 8, Oct. 1989,
pp. 1188-1197.*

Knapp, D.W. Feedback-Driven datapath Optimization in
Fasolt, IEEE International Conference on Computer-Aided
Design, ICCAD-90, Digest of Technical Papers, Nov. 1990,
pp. 300-303.*

* cited by examiner

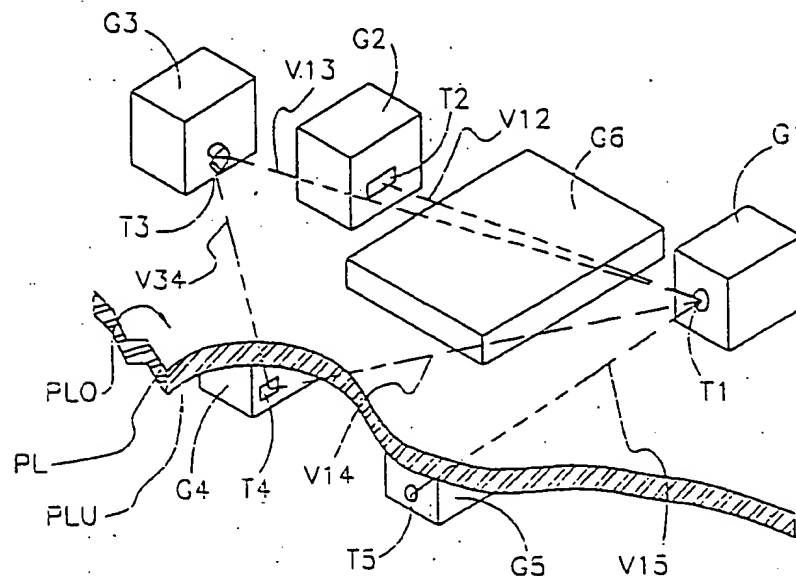
Primary Examiner—Russell Frejd

(74) *Attorney, Agent, or Firm*—Pendorf & Cutliff

(57) **ABSTRACT**

A process for designing a cable wiring path, or producing a
cable interconnection layout in the form of one or more
cable bundles is proposed, wherein electrical, electromag-
netic and mechanical incompatibles of proposed changes
can be detected early and overcome as necessary, in certain
cases by multiple iterative checking and changing of trans-
mission line paths within a mechanical structure. By data
exchange between specialized programs for mechanical
characteristics on the one hand and electrical characteristics
on the other hand and, in certain cases, multiple data dialogs,
a cable harness in the form of one or more cable bundles can
be designed in short time taking into consideration the two
very different types of requirements.

25 Claims, 2 Drawing Sheets

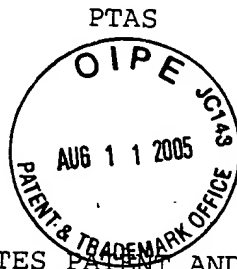




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PATENT AND
TRADEMARK OFFICE

APRIL 24, 2003

STEPHAN A. PENDORF
P.O. BOX 20445
TAMPA, FL 33622-0445



Under Secretary of Commerce For Intellectual Property and
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Washington, DC 20231
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RECORDATION DATE: 12/12/2002

REEL/FRAME: 013594/0984
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DAIMLERCHRYSLER, AG

DOC DATE: 11/11/2002

ASSIGNEE:

AVANION GMBH
REUCHLINSTR. 10-11
BERLIN, FED REP GERMANY 10553

SERIAL NUMBER: 09624731
PATENT NUMBER:

FILING DATE: 07/25/2000
ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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12-24-2002



102320939

Docet No.: 3926.009

IEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

the attached original documents or copy thereof.

1. Name of conveying party(ies):

DaimlerChrysler, AG

12-19-02

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: November 11, 2002

2. Name and address of receiving party(ies):

Name: avanion GmbH

Address: Reuchlinstr. 10-11

City: Berlin

Country: Germany

ZIP: 10553

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Parent Application No.

Filing date

B. Patent No.(s)

624,731

July 25, 2000

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Stephan A. Pendorf

Registration No. 32,665

Address: P.O. Box 20445

City: Tampa

State/Prov.: FL

Country: US

ZIP: 33622-0445

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

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8. Deposit account number:

16-0877

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9. Statement and signature.

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Stephan A. Pendorf

Name of Person Signing

Signature

December 2, 2002

Date

3

Total number of pages including cover sheet, attachments, and

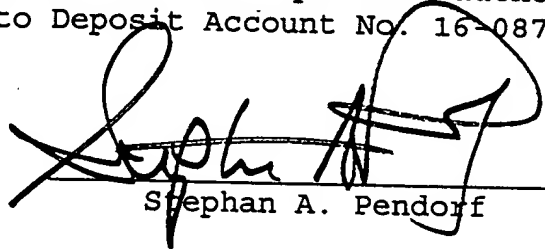
U.S. APPLICATION NO. 09/624,731
RECORDATION FORM AND COVER SHEET

Attorney Docket No.: 3926.009

CERTIFICATE OF MAILING AND AUTHORIZATION TO CHARGE

I hereby certify that a copy of the foregoing RECORDATION FORM AND COVER SHEET AND ASSIGNMENT for U.S. Application No. 09/624,731 filed July 25, 2000, were deposited in first class U.S. mail, postage prepaid, addressed: Attn: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on this 12th day of December, 2002.

The Commissioner is hereby authorized to charge any additional fees, which may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment, to Deposit Account No. 16-0877.



Stephan A. Pendorff

ASSIGNMENT OF U.S. APPLICATION

This assignment is effective as of the **29th DAY OF October 2002**.

Whereas DaimlerChrysler AG, having its principal place of business at Epplestraße 225, D-70567 Stuttgart, Germany is the owner of the following United States patent application:

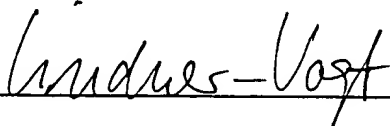
| <u>Country</u> | <u>Numbers</u> |
|----------------|------------------------------|
| US | 09/624,731 (DE 199 35 422.7) |

Whereas, **DaimlerChrysler AG**, having its principal place of business at **Epplestr. 225, 70567 Stuttgart, Germany**, is desirous of transferring to **avanion GmbH** its entire right/s, title/s and interest/s in and to the patent application/s identified above and patents resulting therefrom, including reissues, reexamined patents, divisions and continuations of the above-identified patent applications;

Now, therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, **DaimlerChrysler AG** has sold, assigned and transferred, and nunc pro tunc, hereby sells, assigns and transfers to **avanion GmbH** having his residence at **Reuchlinstr. 10-11, 10553 Berlin, Germany** the entire right/s, title/s and interest/s in and to the said patent application/s listed above and patents resulting therefrom, including reissues, reexamined patents, continuations and divisions of said patent applications, said patent applications to be held and enjoyed by **avanion GmbH** for its own use and for the use of its legal representatives, successors and assigns, to the full end of the term for which the said patent applications listed above will be granted, as fully and entirely as the same would be held by **DaimlerChrysler AG** had this assignment not been made, together with all claims for past infringement of said patents listed above and with the right to sue for and to collect damages for such infringement.

SIGNED THIS 11th DAY OF November 2002

Signature: _____



Signature

Full name of signatory: i.V. Lindner-Vogt

i.V. Eschbach

Name in blockletters

Designation: _____ **Authorized representative/s**



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Total Assignments: 2

Patent #: 6879941

Issue Dt: 04/12/2005

Application #: 09624731

Filing Dt: 07/25/2000

Inventors: Bernd Ehrenberg, Matthias Wernicke

Title: PROCESS FOR PRODUCING A CONDUCTOR COMPRISING AT LEAST ONE CABLE BUNDLE

Assignment: 1

Reel/Frame: 011445/0452

Recorded: 01/11/2001

Pages: 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: EHRENBERG, BERND

Exec Dt: 07/11/2000

WERNICKE, MATTHIAS

Exec Dt: 07/03/2000

Assignee: DAIMLERCHRYSLER AG

EPPLESTRASSE 225

STUTTGART, GERMANY D-705

Correspondent: STEPHAN A. PENDORF

P.O. BOX 20445

TAMPA, FL 33622-0445

Assignment: 2

Reel/Frame: 013594/0984

Recorded: 12/12/2002

Pages: 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: DAIMLERCHRYSLER, AG

Exec Dt: 11/11/2002

Assignee: AVANION GMBH

REUCHLINSTR. 10-11

BERLIN, GERMANY 10553

Correspondent: STEPHAN A. PENDORF

P.O. BOX 20445
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